
Subject: USSN 10/764,075; Dkt. No: 19240-447US2 Alignment of SEQ ID NO:43 and SEQ ID NO:2

Alignment of SEQ ID NO:43 and SEQ ID NO:2

SeqID:43 (1) taccgaagagctaccogacgagttcgtggtggtgacggcaaaatgaaagagctcagcccc
seqID:2 (1) -----

SeqID:43 (61) agatggtactttatattacctaggaactggcccagaagcttcacttccctacggcgctaac
seqID:2 (1) -----

SeqID:43 (121) aaagaaggcatcgatatgggttgcaactgagggagccttgaatacacccaaagaccacatt
seqID:2 (1) -----

SeqID:43 (181) ggcaccccgcaatcctaataacaatgctgccaccgtgctacaacttcctcaaggaacaaca
seqID:2 (1) -----

SeqID:43 (241) ttgccaaaaggcttctacgcagaggggaagcagaggcggcagtcagccctcttctcgctcc
seqID:2 (1) -----

SeqID:43 (301) tcatcacgtagtcgcggtaattcaagaaattcaactcctggcagcagtaggggaaattct
seqID:2 (1) -----

SeqID:43 (361) cctgctcgaatggctagcggaggtggtgaaactgcctcgcgctattgctgctagacaga
seqID:2 (1) -----

SeqID:43 (421) ttgaaccagcttgagagcaaagtttctggtaaaggccaacaacaagaaggccaaactgtc
seqID:2 (1) -----

SeqID:43 (481) actaagaaatctgctgctgaggcatctaaaaagcctcgccaaaaacgtactgccacaaaa
seqID:2 (1) -----

SeqID:43 (541) cagtacaacgtcactcaagcatttgggagacgtggtccagaacaaacccaaggaaatttc
seqID:2 (1) -----

SeqID:43 (601) ggggaccaagacctaatacagacaaggaactgattacaaacattggccgcacaaattgcacaa
seqID:2 (1) -----

SeqID: 43	(	661)	tttgctccaagtgcctctgcattcttttggaaatgtcacgcattggcatggaagtcacacct
seqID: 2	(	1)	-----
SeqID: 43	(	721)	tcgggaacatggctgacttatcatggagccattaaattggatgacaaagatccacaattc
seqID: 2	(	1)	-----
SeqID: 43	(	781)	aaagacaacgtcatactgctgaacaagcacattgacgcatacaaaacattcccaccaaca
seqID: 2	(	1)	-----
SeqID: 43	(	841)	gagcctaaaaaggacaaaaaagaaaaagactgatgaagctcagcctttgccgcagagacaa
seqID: 2	(	1)	-----
SeqID: 43	(	901)	aagaagcagcccactgtgactcttcttctcctgcggctgacatggatgatttctccagacaa
seqID: 2	(	1)	-----
SeqID: 43	(	961)	cttcaaaaattccatgagtggagcttctgctgattcaactcaggcataaacactcatgATG
seqID: 2	(	1)	-----ATG
SeqID: 43	(	1021)	ACCACACAAGGCAGATGGgctatgtaaacgttttcgcaattccgtttacgatacatagtc
seqID: 2	(	4)	ACCACACAAGGCAGATGG-----
SeqID: 43	(	1081)	tactcttgtgcagaatgaattctcgtaactaaacagcacaaagtaggtttagtttaacttta
seqID: 2	(	22)	-----
SeqID: 43	(	1141)	atctcacatagcaatctttaatcaatgtgtaacattagggaggacttgaaagagccacca
seqID: 2	(	22)	-----
SeqID: 43	(	1201)	cattttcatcgaggccacgcggagtacgatcgaggggtacagtgaataatgctagggagag
seqID: 2	(	22)	-----
SeqID: 43	(	1261)	ctgcctatatggaagagccctaattgtgtaaaaattaatttttagtagtgctatccccatgtg
seqID: 2	(	22)	-----
SeqID: 43	(	1321)	attttaatagcttcttaggagaatgac
seqID: 2	(	22)	-----

Subject:

USSN 10/764,075; Dkt. No: 19240-447US2 Alignment of SEQ ID NO:43 and SEQ ID NO:4

Alignment of SEQ ID NO:43 and SEQ ID NO:4

```
SeqID:43      (    1) taccgaagagctacccgacgagttcgtggtggtgacggcaaaatgaaagagctcagcccc
seqID:4       (    1) -----
```

```
SeqID:43      (   61) agatggtacttctattacctaggaactggcccagaagcttcacttcctacggcgctaac
seqID:4       (    1) -----
```

```
SeqID:43      (  121) aaagaaggcatcgtatgggttgcaactgagggagccttgaatacacccaaagaccacatt
seqID:4       (    1) -----
```

```
SeqID:43      (  181) ggcacccgcaatcctaataacaatgctgccaccgtgctacaacttcctcaaggaacaaca
seqID:4       (    1) -----
```

```
SeqID:43      (  241) ttgccaaaaggcttctacgcagaggggaagcagaggcggcagtcaagcctcttctcgctcc
seqID:4       (    1) -----
```

```
SeqID:43      (  301) tcatcacgtagtcgcggtaattcaagaaattcaactcctggcagcagtaggggaaattct
seqID:4       (    1) -----
```

```
SeqID:43      (  361) cctgctcgaatggctagcggaggtggtgaaactgccctcgcgctattgctgctagacaga
seqID:4       (    1) -----
```

```
SeqID:43      (  421) ttgaaccagcttgagagcaaagtttctggtaaaggccaacaacaagaaggccaaactgtc
seqID:4       (    1) -----
```

```
SeqID:43      (  481) actaagaaatctgctgctgaggcatctaaaaagcctcgccaaaaacgtactgccacaaaa
seqID:4       (    1) -----
```

```
SeqID:43      (  541) cagtacaacgtcactcaagcatttgggagacgtggtccagaacaaaccaaggaaatttc
seqID:4       (    1) -----
```

```
SeqID:43      (  601) ggggaccaagacctaatacagacaaggaactgattacaaacattggccgcaaattgcacaa
seqID:4       (    1) -----
```

SeqID:43 (- 661) ttgtctccaagtgcctctgcattctttggaatgtcacgcattggcatggaagtcacacct
seqID:4 (1) -----

SeqID:43 (721) tcgggaacatggctgacttatcatggagccattaaattggatgacaaagatccacaattc
seqID:4 (1) -----

SeqID:43 (781) aaagacaacgtcatactgctgaacaagcacattgacgcatacaaaacattcccaccaaca
seqID:4 (1) -----

SeqID:43 (841) gagcctaaaaaggacaaaaagaaaaagactgatgaagctcagcctttgccgcagagacaa
seqID:4 (1) -----

SeqID:43 (901) aagaagcagcccactgtgactcttcttctcctgctgacatggatgatttctccagacaa
seqID:4 (1) -----

SeqID:43 (961) cttcaaaattccatgagtggagcttctgctgattcaactcaggcataaacactcatgatg
seqID:4 (1) -----

SeqID:43 (1021) accaCACAAGGCAGATGGGCTATGTaaacgttttcgcaattccgtttacgatacatagtc
seqID:4 (1) -----CACAAGGCAGATGGGCTATGT-----

SeqID:43 (1081) tactcttgtgcagaatgaattctcgtaactaaacagcacagaagtaggtttagtttaacttta
seqID:4 (22) -----

SeqID:43 (1141) atctcacatagcaatctttaatcaatgtgtaacattagggaggacttgaaagagccacca
seqID:4 (22) -----

SeqID:43 (1201) cattttcatcgaggccacgcggagtacgatcgagggtacagtgaataatgctagggagag
seqID:4 (22) -----

SeqID:43 (1261) ctgcctatatggaagagccctaattgtgtaaaattaatttttagtagtgctatccccatgtg
seqID:4 (22) -----

SeqID:43 (1321) attttaatagcttcttaggagaatgac
seqID:4 (22) -----

Subject: USSN 10/764,075; Dkt. No: 19240-447US2 Alignment of SEQ ID NO:43 and SEQ ID NO:6

Alignment of SEQ ID NO:43 and SEQ ID NO:6

SeqID:43 (1) taccgaagagctacccgacgagttcgtgggtggtgacggcaaaatgaaagagctcagcccc
seqID:6 (1) -----

SeqID:43 (61) agatggtaacttctattacctaggaactggcccagaagcttcacttccctacggcgctaac
seqID:6 (1) -----

SeqID:43 (121) aaagaaggcatcgtatgggttgcaactgagggagccttgaatacacccaaagaccacatt
seqID:6 (1) -----

SeqID:43 (181) ggcacccgcaatcctaataacaatgctgccaccgtgctacaacttcctcaaggaacaaca
seqID:6 (1) -----

SeqID:43 (241) ttgccaaaaggcttctacgcagagggaagcagaggcggcagtcaggcctcttctcgctcc
seqID:6 (1) -----

SeqID:43 (301) tcatcacgtagtcgcggtaattcaagaaattcaactcctggcagcagtaggggaaattct
seqID:6 (1) -----

SeqID:43 (361) cctgctcgaatggctagcggaggtggtgaaactgccctcgcgctattgctgctagacaga
seqID:6 (1) -----

SeqID:43 (421) ttgaaccagcttgagagcaaagtttctggtaaaggccaacaacaagaaggccaaactgtc
seqID:6 (1) -----

SeqID:43 (481) actaagaaatctgctgctgaggcatctaaaaagcctcgccaaaaacgtactgccacaaaa
seqID:6 (1) -----

SeqID:43 (541) cagtacaacgtcactcaagcatttgggagacgtggtccagaacaaaccaaggaaatttc
seqID:6 (1) -----

SeqID:43 (601) ggggaccaagacctaatacagacaaggaactgattacaaacattggccgcaaattgcacaa
seqID:6 (1) -----

SeqID:43	(	661)	tttgctccaagtgcctctgcattcttttggaaatgtcacgcattggcatggaagtcacacct
seqID:6	(	1)	-----
SeqID:43	(	721)	tcgggaacatggctgacttatcatggagccattaaattggatgacaaagatccacaattc
seqID:6	(	1)	-----
SeqID:43	(	781)	aaagacaacgtcatactgctgaacaagcacattgacgcatacaaaacattcccaccaaca
seqID:6	(	1)	-----
SeqID:43	(	841)	gagcctaaaaaggacaaaaagaaaaagactgatgaagctcagcctttgccgcagagacaa
seqID:6	(	1)	-----
SeqID:43	(	901)	aagaagcagcccactgtgactcttcttctctgctgacatggatgatttctccagacaa
seqID:6	(	1)	-----
SeqID:43	(	961)	cttcaaaattccatgagtggagcttctgctgattcaactcaggcataaacactcatgatg
seqID:6	(	1)	-----
SeqID:43	(	1021)	accacacaaggcagatgggctatgtaaacgttttcgcaattccgtttacgatacatagtc
seqID:6	(	1)	-----
SeqID:43	(	1081)	tactcttgtgcagaatgaattctcgtaactaaacagcacaaagtaggttttagttaacttta
seqID:6	(	1)	-----
SeqID:43	(	1141)	atctcacatagcaatctttaatcaatgtgtaacattagggaggacttgaaagagccacca
seqID:6	(	1)	-----
SeqID:43	(	1201)	catTTTCATCGAGGCCACGCGGAGTACgatcgagggtacagtgaataatgctagggagag
seqID:6	(	1)	---TTTCATCGAGGCCACGCGGAGTAC-----
SeqID:43	(	1261)	ctgcctatatggaagagccctaattgtgtaaaattaatttttagtagtgctatccccatgtg
seqID:6	(	25)	-----
SeqID:43	(	1321)	attttaatagcttcttaggagaatgac
seqID:6	(	25)	-----

Subject: USSN 10/764,075; Dkt. No: 19240-447US2 Alignment of SEQ ID NO:43 and SEQ ID NO:8

Alignment of SEQ ID NO:43 and SEQ ID NO:8

SeqID:43 (1) taccgaagagctacccgacgagttcgtggtggtgacggcaaaatgaaagagctcagcccc
seqID:8 (1) -----

SeqID:43 (61) agatggtacttctattacctaggaactggcccagaagcttcacttccctacggcgctaac
seqID:8 (1) -----

SeqID:43 (121) aaagaaggcatcgtatgggttgcaactgagggagccttgaatacacccaaagaccacatt
seqID:8 (1) -----

SeqID:43 (181) ggcacccgcaatcctaataacaatgctgccaccgtgctacaacttcctcaaggaacaaca
seqID:8 (1) -----

SeqID:43 (241) ttgccaaaaggcttctacgcagaggggaagcagaggcggcagtcgaagcctcttctcgctcc
seqID:8 (1) -----

SeqID:43 (301) tcatcacgtagtcgcggtaattcaagaaattcaactcctggcagcagtaggggaaattct
seqID:8 (1) -----

SeqID:43 (361) cctgctcgaatggctagcggaggtggtgaaactgccctcgcgctattgctgctagacaga
seqID:8 (1) -----

SeqID:43 (421) ttgaaccagcttgagagcaaagtttctggtaaaggccaacaacaagaaggccaaactgtc
seqID:8 (1) -----

SeqID:43 (481) actaagaaatctgctgctgaggcatctaaaaagcctcgccaaaaacgtactgccacaaaa
seqID:8 (1) -----

SeqID:43 (541) cagtacaacgtcactcaagcatttgggagacgtggtccagaacaaacccaaggaaatttc
seqID:8 (1) -----

SeqID:43 (601) ggggaccaagacctaatacagacaaggaactgattacaaacattggccgcaaattgcacaa
seqID:8 (1) -----

SeqID:43	(661)	tttgc tccaagtgcctctgcattctttggaatgtcacgcattggcatggaagtcacacct
seqID:8	(1)	-----
SeqID:43	(721)	tcgggaacatggctgacttatcatggagccattaaattggatgacaaagatccacaattc
seqID:8	(1)	-----
SeqID:43	(781)	aaagacaacgtcatactgctgaacaagcacattgacgcatacaaaaacattcccaccaaca
seqID:8	(1)	-----
SeqID:43	(841)	gagcctaaaaaggacaaaaagaaaaagactgatgaagctcagcctttgccgcagagacaa
seqID:8	(1)	-----
SeqID:43	(901)	aagaagcagcccactgtgactcttcttctctgcggtgacatggatgatttctccagacaa
seqID:8	(1)	-----
SeqID:43	(961)	cttcaaaattccatgagtgagcttctgctgattcaactcaggcataaacactcatgatg
seqID:8	(1)	-----
SeqID:43	(1021)	accacacaaggcagatgggctatgtAAACGTTTTTCGCAATTCCGTttacgatacatagtc
seqID:8	(1)	-----AAACGTTTTTCGCAATTCCGT-----
SeqID:43	(1081)	tactcttgtgcagaatgaattctcgtaactaaacagcacaaagtaggtttagttaacttta
seqID:8	(21)	-----
SeqID:43	(1141)	atctcacatagcaatctttaatcaatgtgtaacattagggaggacttgaaagagccacca
seqID:8	(21)	-----
SeqID:43	(1201)	cattttcatcgaggccacgcggagtacgatcgagggtacagtgaataatgctagggagag
seqID:8	(21)	-----
SeqID:43	(1261)	ctgcctatatggaagagccctaattgtgtaaaattaatttttagtagtgctatccccatgtg
seqID:8	(21)	-----
SeqID:43	(1321)	attttaatagcttcttaggagaatgac
seqID:8	(21)	-----

Subject:

USSN 10/764,075; Dkt. No: 19240-447US2 Alignment of SEQ ID NO:43 and SEQ ID NO:11

Alignment of SEQ ID NO:43 and SEQ ID NO:11

```
SeqID:43      (    1) taccgaagagctacccgacgagttcgtggtggtgacggcaaaatgaaagagctcagcccc
seqID:11      (    1) -----

SeqID:43      (   61) agatggtacttctattacctaggaactggcccagaagcttcacttccttacggcgctaac
seqID:11      (    1) -----

                        ++++++
SeqID:43      (  121) aaagaAGGCATCGTATGGGTTGCAactgagggagccttgaatacacccaaagaccacatt
seqID:11      (    1) -----AGGCATCGTATGGGTTGCA-----

SeqID:43      (  181) ggcacccgcaatcctaataacaatgctgccaccgtgctacaacttcctcaaggaacaaca
seqID:11      (   20) -----

SeqID:43      (  241) ttgccaaaaggcttctacgcagaggggaagcagaggcggcagtcaggcctcttctcgctcc
seqID:11      (   20) -----

SeqID:43      (  301) tcatcacgtagtcgcggttaattcaagaaattcaactcctggcagcagtaggggaaattct
seqID:11      (   20) -----

SeqID:43      (  361) cctgctcgaatggctagcggaggtggtgaaactgccctcgcgctattgctgctagacaga
seqID:11      (   20) -----

SeqID:43      (  421) ttgaaccagcttgagagcaaagtttctggtaaaggccaacaacaacaaggccaaactgtc
seqID:11      (   20) -----

SeqID:43      (  481) actaagaaatctgctgctgaggcatctaaaaagcctcgccaaaaacgtactgccacaaaa
seqID:11      (   20) -----

SeqID:43      (  541) cagtacaacgtcactcaagcatttgggagacgtggtccagaacaaaccaaggaaatttc
seqID:11      (   20) -----

SeqID:43      (  601) ggggaccaagacctaatacagacaaggaactgattacaaacattggccgcaaattgcacaa
seqID:11      (   20) -----
```

SeqID:43	(	661)	tttgctccaagtgcctctgcattctttggaatgtcacgcattggcatggaagtcacacct
seqID:11	(	20)	-----
SeqID:43	(	721)	tcggaacatggctgacttatcatggagccattaaattggatgacaaagatccacaattc
seqID:11	(	20)	-----
SeqID:43	(	781)	aaagacaacgtcatactgctgaacaagcacattgacgcatacaaaacattcccaccaaca
seqID:11	(	20)	-----
SeqID:43	(	841)	gagcctaaaaaggacaaaaagaaaaagactgatgaagctcagcctttgccgcagagacaa
seqID:11	(	20)	-----
SeqID:43	(	901)	aagaagcagcccactgtgactcttcttctcctgcggctgacatggatgatttctccagacaa
seqID:11	(	20)	-----
SeqID:43	(	961)	cttcaaaattccatgagtgagcttctgctgattcaactcaggcataaacactcatgatg
seqID:11	(	20)	-----
SeqID:43	(	1021)	accacacaaggcagatgggctatgtaaactgtttcgcaattccgtttacgatacatagtc
seqID:11	(	20)	-----
SeqID:43	(	1081)	tactcttgtgcagaatgaattctcgtaactaaacagcacaaagtaggtttagttaacttta
seqID:11	(	20)	-----
SeqID:43	(	1141)	atctcacatagcaatctttaatcaatgtgtaacattagggaggacttgaaagagccacca
seqID:11	(	20)	-----
SeqID:43	(	1201)	cattttcatcgaggccacgcggagtacgatcgagggtacagtgaataatgctagggagag
seqID:11	(	20)	-----
SeqID:43	(	1261)	ctgcctatatggaagagccctaattgtgtaaaattaatttttagtagtgctatccccatgtg
seqID:11	(	20)	-----
SeqID:43	(	1321)	attttaatagcttcttaggagaatgac
seqID:11	(	20)	-----

Subject: USSN 10/764,075; Dkt. No: 19240-447US2 Alignment of SEQ ID NO:43 and SEQ ID NO:13

Alignment of SEQ ID NO:43 and SEQ ID NO:13

```
SeqID:43      (    1) taccgaagagctacccgacgagttcgtggtggtgacggcaaaatgaaagagctcagcccc
seqID:13      (    1) -----

SeqID:43      (   61) agatggtacttctattacctaggaactggcccagaagcttcacttcctacggcgctaac
seqID:13      (    1) -----

SeqID:43      (  121) aaagaaggcatcgtatgggttgcaactgAGGGAGCCTTGAATACACCCAAAGACCAcatt
seqID:13      (    1) -----AGGGAGCCTTGAATACACCCAAAGACCA----
                        ++++++

SeqID:43      (  181) ggcacccgcaatcctaataacaatgctgccaccgtgctacaacttcctcaaggaacaaca
seqID:13      (   29) -----

SeqID:43      (  241) ttgccaaaaggcttctacgcagagggaagcagaggcggcagtcgaagcctcttctcgcctcc
seqID:13      (   29) -----

SeqID:43      (  301) tcatcacgtagtcgcggtaattcaagaaattcaactcctggcagcagtaggggaaattct
seqID:13      (   29) -----

SeqID:43      (  361) cctgctcgaatggctagcggaggtggtgaaactgcctcgcgctattgctgctagacaga
seqID:13      (   29) -----

SeqID:43      (  421) ttgaaccagcttgagagcaaagtttctggtaaaggccaacaacaacaaggccaaactgtc
seqID:13      (   29) -----

SeqID:43      (  481) actaagaaatctgctgctgaggcatctaaaaagcctcgccaaaaacgtactgccacaaaa
seqID:13      (   29) -----

SeqID:43      (  541) cagtacaacgtcactcaagcatttgggagacgtggtccagaacaaaccaaggaaatttc
seqID:13      (   29) -----

SeqID:43      (  601) ggggaccaagacctaatacagacaaggaactgattacaaacattggccgcaaattgcacaa
seqID:13      (   29) -----
```

SeqID:43	(	661)	tttgctccaagtgccctctgcattctttggaatgtcacgcattggcatggaagtcacacct
seqID:13	(	29)	-----
SeqID:43	(	721)	tcgggaacatggctgacttatcatggagccattaaattggatgacaaagatccacaattc
seqID:13	(	29)	-----
SeqID:43	(	781)	aaagacaacgtcatactgctgaacaagcacattgacgcatacaaaacattcccaccaaca
seqID:13	(	29)	-----
SeqID:43	(	841)	gagcctaaaaaggacaaaaagaaaaagactgatgaagctcagcctttgccgcagagacaa
seqID:13	(	29)	-----
SeqID:43	(	901)	aagaagcagcccactgtgactcttcttctcctgcggctgacatggatgatttctccagacaa
seqID:13	(	29)	-----
SeqID:43	(	961)	cttcaaaattccatgagtggagcttctgctgattcaactcaggcataaacactcatgatg
seqID:13	(	29)	-----
SeqID:43	(	1021)	accacacaaggcagatgggctatgtaaacgttttcgcaattccgtttacgatacatagtc
seqID:13	(	29)	-----
SeqID:43	(	1081)	tactcttgtgcagaatgaattctcgtaactaaacagcacaaagtaggtttagttaacttta
seqID:13	(	29)	-----
SeqID:43	(	1141)	atctcacatagcaatctttaatcaatgtgtaacattagggaggacttgaaagagccacca
seqID:13	(	29)	-----
SeqID:43	(	1201)	cattttcatcgaggccacgcggagtacgatcgaggggtacagtgaataatgctagggagag
seqID:13	(	29)	-----
SeqID:43	(	1261)	ctgcctatatggaagagccctaattgtgtaaaattaatttttagtagtgctatccccatgtg
seqID:13	(	29)	-----
SeqID:43	(	1321)	attttaatagcttcttaggagaatgac
seqID:13	(	29)	-----

Subject: USSN 10/764,075; Dkt. No: 19240-447US2 Alignment of SEQ ID NO:43 and SEQ ID NO:14

Alignment of SEQ ID NO:43 and SEQ ID NO:14

```
SeqID:43      (      1) taccgaagagctacccgacgagttcgtgggtggtgacggcaaaatgaaagagctcagcccc
seqID:14      (      1) -----

SeqID:43      (     61) agatgggtactttctattacctaggaactggcccagaagcttcacttccttacggcgctaac
seqID:14      (      1) -----

SeqID:43      (    121) aaagaaggcatcgtatgggttgcaactgagggagccttgaatacacccaaagaccacatt
seqID:14      (      1) -----

SeqID:43      (    181) ggcacccgcaatcctaataacaatgctgccaccgtgctacaacttcctcaaggaacaaca
seqID:14      (      1) -----

SeqID:43      (    241) ttgccaaaaggcttctacgcagaggggaagcagaggcggcagtcaagcctcttctcgctcc
seqID:14      (      1) -----

SeqID:43      (    301) tcatcacgtagtcgcggtaattcaagaaattcaactcctggcagcagtaggggaaattct
seqID:14      (      1) -----

SeqID:43      (    361) cctgctcgaatggctagcggaggtggtgaaactgccctcgcgctattgctgctagacaga
seqID:14      (      1) -----

SeqID:43      (    421) ttgaaccagcttgagagcaaagtttctggtaaaggccaacaacaacaaggccaaactgtc
seqID:14      (      1) -----

SeqID:43      (    481) actaagaaatctgctgctgaggcatctaaaAAGCCTCGCCAAAAACGTACTgccacaaaa
seqID:14      (      1) -----AAGCCTCGCCAAAAACGTAC-----

SeqID:43      (    541) cagtacaacgtcactcaagcatttgggagacgtggtccagaacaaacccaaggaaatttc
seqID:14      (     21) -----

SeqID:43      (    601) ggggaccaagacctaatacagacaaggaactgattacaaacattggccgcaaattgcacaa
seqID:14      (     21) -----
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SeqID: 43	(661)	tttgctccaagtgccctctgcattctttggaatgtcacgcattggcatggaagtccacacct
seqID: 14	(	21)	-----
SeqID: 43	(	721)	tcggaacatggctgacttatcatggagccattaaattggatgacaaagatccacaattc
seqID: 14	(	21)	-----
SeqID: 43	(	781)	aaagacaacgtcatactgctgaacaagcacattgacgcatacaaaaacattcccaccaaca
seqID: 14	(	21)	-----
SeqID: 43	(	841)	gagcctaaaaaggacaaaaagaaaaagactgatgaagctcagcctttgccgcagagacaa
seqID: 14	(	21)	-----
SeqID: 43	(	901)	aagaagcagcccactgtgactcttcttctcctgcggctgacatggatgatttctccagacaa
seqID: 14	(	21)	-----
SeqID: 43	(	961)	cttcaaaattccatgagtgaggcttctgctgattcaactcaggcataaacactcatgatg
seqID: 14	(	21)	-----
SeqID: 43	(	1021)	accacacaaggcagatgggctatgtaaacgttttcgcaattccgtttacgatacatagtc
seqID: 14	(	21)	-----
SeqID: 43	(	1081)	tactcttgtgcagaatgaattctcgtaactaaacagcacaaagtaggtttagttaacttta
seqID: 14	(	21)	-----
SeqID: 43	(	1141)	atctcacatagcaatctttaatcaatgtgtaacattagggaggacttgaaagagccacca
seqID: 14	(	21)	-----
SeqID: 43	(	1201)	cattttcatcgaggccacgcggagtacgatcgaggtacagtgaataatgctagggagag
seqID: 14	(	21)	-----
SeqID: 43	(	1261)	ctgcctatatggaagagccctaattgtgtaaaattaatttttagtagtgctatccccatgtg
seqID: 14	(	21)	-----
SeqID: 43	(	1321)	attttaatagcttcttaggagaatgac
seqID: 14	(	21)	-----

Subject:

USSN 10/764,075; Dkt. No: 19240-447US2 Alignment of SEQ ID NO:43 and SEQ ID NO:16

Alignment of SEQ ID NO:43 and SEQ ID NO:16

SeqID:43 (1) taccgaagagctacccgacgagttcgtggtggtgacggcaaaatgaaagagctcagcccc
seqID:16 (1) -----

SeqID:43 (61) agatggtacttctattacctaggaactggcccagaagcttcacttcctacggcgctaac
seqID:16 (1) -----

SeqID:43 (121) aaagaaggcatcgtatgggttgcaactgagggagccttgaatacacccaaagaccacatt
seqID:16 (1) -----

SeqID:43 (181) ggcacccgcaatcctaataacaatgctgccaccgtgctacaacttcctcaaggaacaaca
seqID:16 (1) -----

SeqID:43 (241) ttgccaaaaggcttctacgcagaggaagcagaggcggcagtcaagcctcttctcgctcc
seqID:16 (1) -----

SeqID:43 (301) tcatacagtagtcgcggtaattcaagaaattcaactcctggcagcagtaggggaaattct
seqID:16 (1) -----

SeqID:43 (361) cctgctcgaatggctagcggaggtggtgaaactgccctcgcgctattgctgctagacaga
seqID:16 (1) -----

SeqID:43 (421) ttgaaccagcttgagagcaaagtttctggtaaaggccaacaacaacaaggccaaactgtc
seqID:16 (1) -----

SeqID:43 (481) actaagaaatctgctgctgaggcatctaaaaagcctcgccaaaaacgtactgccacaaaa
seqID:16 (1) -----

SeqID:43 (541) cagtacaacgtcactcaagcatttgggagacgtggtccagaacaaaccaaggaaatttc
seqID:16 (1) -----

SeqID:43 (601) ggggaccaagacctaatacagacaaggaactgattacaaacattggccgcaaattgcacaa
seqID:16 (1) -----

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SeqID:43      ( 661) tttgctccaagtgcctctgcattctttggaatgTCACGCATTGGCATGGAAGTCACACct
seqID:16      (   1) -----TCACGCATTGGCATGGAAGTCACAC--

SeqID:43      ( 721) tcgggaacatggctgacttatcatggagccattaaattggatgacaaagatccacaattc
seqID:16      (  26) -----

SeqID:43      ( 781) aaagacaacgtcatactgctgaacaagcacattgacgcatacaaaacattcccaccaaca
seqID:16      (  26) -----

SeqID:43      ( 841) gagcctaaaaaggacaaaaagaaaaagactgatgaagctcagcctttgccgcagagacaa
seqID:16      (  26) -----

SeqID:43      ( 901) aagaagcagcccactgtgactcttcttctcctgcggctgacatggatgatttctccagacaa
seqID:16      (  26) -----

SeqID:43      ( 961) cttcaaaattccatgagtggagcttctgctgattcaactcaggcataaaacactcatgatg
seqID:16      (  26) -----

SeqID:43      (1021) accacacaaggcagatgggctatgtaaacgttttcgcaattccgtttacgatacatagtc
seqID:16      (  26) -----

SeqID:43      (1081) tactcttgtgcagaatgaattctcgtactaaacagcacaaagtaggttttagttaacttta
seqID:16      (  26) -----

SeqID:43      (1141) atctcacatagcaatctttaatcaatgtgtaacattagggaggacttgaaagagccacca
seqID:16      (  26) -----

SeqID:43      (1201) cattttcatcgaggccacgcggagtacgatcgaggtacagtgaataatgctagggagag
seqID:16      (  26) -----

SeqID:43      (1261) ctgcctatatggaagagccctaattgtgtaaaattaatttttagtagtgctatccccatgtg
seqID:16      (  26) -----

SeqID:43      (1321) attttaatatgcttcttaggagaatgac
seqID:16      (  26) -----

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